

B³
cont

Q₁ is CR₃;

Q₂ is CR₄;

Q₃ is CR₂₀;

Q₄ is N;

A'

R₁ is H, alkyl, aryl, arylalkyl, heteroaryl; heteroarylalkyl, heterocycloalkyl, arylsulfonyl, aryloxycarbonyl, alkoxyalkoxyalkyl, alkyl-S-R₇, alkyl-NH-C(=O)-R₈ or -R₉-X-R₁₀-R₁₁;

wherein each of the alkyl, aryl, arylalkyl heteroaryl, heteroarylalkyl, heterocycloalkyl, arylsulfonyl, aryloxycarbonyl and alkoxyalkoxyalkyl moieties in each of the foregoing R₁ groups can be optionally substituted with up to 5 groups independently selected from the group consisting of C₁-C₆ alkyl, OH, hydroxyalkyl, -C(=O)-R₅; CN, aryl, alkoxy, carbonyl, alkylaryl, arylalkyl, heteroaryl, S-heteroaryl optionally substituted with halogen, heteroarylalkyl optionally substituted with halogen, heterocycloalkyl optionally substituted with amino, NO₂, halogen, monohaloalkyl, dihaloalkyl, trihaloalkyl, perhaloaryl, perhaloalkylaryl, alkyl-NR₁₅R₁₆ and NR₁₅R₁₆;

or one of said alkyl, aryl, arylalkyl heteroaryl, heteroarylalkyl, heterocycloalkyl, arylsulfonyl, aryloxycarbonyl or alkoxyalkoxyalkyl moieties of one of said R₁ groups can be attached to a structure of Formula I at position R₁ thereof;

R₃ and R₄ are independently each H, halogen, C₁-C₆ alkyl, trihaloalkyl, alkoxy, carbonyl, alkoxy, NR₁₅R₁₆, and NO₂, wherein said C₁-C₆ alkyl, alkoxy, carbonyl, and alkoxy groups can each be optionally substituted with NR₁₅R₁₆;

R₅ is H, -NHNHR₆, -NHN=CH-R₆, heteroaryl, heterocycloalkyl, wherein said heteroaryl group can be optionally substituted with an aryl or heteroaryl group,

B3
cont

~~R₆ is aryl, heteroaryl; arylsulfonyl, heteroarylsulfonyl, -C(=S)-NH-aryl, -C(=S)-NH-arylcarbonyl, -C(=S)-NH-heteroarylcarbonyl, -C(=S)-NH-alkylene-R₂₁, -C(=O)-NH-aryl, -C(=O)-NH-arylcarbonyl, -C(=O)-NH-heteroarylcarbonyl, or -C(=O)-NH-alkylene-R₂₁ where R₂₁ is carboxy, alkoxycarbonyl, aryl, heteroaryl, heterocycloalkyl, arylaminocarbonyl, cycloalkylaminocarbonyl, or a saturated hydrocarbon fused ring system optionally having an aryl ring fused thereto, said ring system being optionally substituted with up to three alkyl groups on the alkyl or aryl rings thereof;~~

A1

~~wherein any of said R₆ groups can be optionally substituted with up to 3 groups selected from NR₁₅R₁₆, alkyl, hydroxy, halogen, aryl, alkoxy, trihaloalkoxy, arylalkyloxy, NO₂, -SH, -S-alkyl, heteroarylcarbonyl, heteroaryl, alkylheteroaryl, or a moiety of formula -OC₂CH₂-O- attached to adjacent atoms of said R₆ group;~~

~~R₇ is heteroaryl or heterocycloalkyl;~~

~~R₈ is aryl;~~

~~R₉ and R₁₀ are each independently alkylene having from 1 to about 20 carbons;~~

~~X is -N(R₁₂)-, -C(R₁₃)(R₁₄)- or O;~~

~~R₁₁ is H, heterocycloaryl, or alkoxy, wherein said heterocycloaryl, or alkoxy group can be optionally substituted with up to four groups independently selected from halogen, amino, trihaloalkyl, alkoxycarbonyl, and CN;~~

~~R₁₂ is H or C₁-C₆ alkyl; and~~

~~R₁₃ and R₁₄ are each independently H or C₁-C₆ alkyl.~~

~~R₁₅ is H, halogen, C₁₋₁₂ alkyl, methylcarbonyl, heterocycloalkyl, arylsulfonyl, heteroarylalkyl, aminoalkyl, arylcarbonyl, branched and straight chain polyaminoalkyl, or a group of formula CH₂(CHOH)₄CH₂OH,~~

B³
cont

wherein said methylcarbonyl, heterocycloalkyl, arylsulfonyl, heteroarylalkyl, aminoalkyl, arylcarbonyl, and branched and straight chain polyaminoalkyl groups can be substituted by up to 3 OH groups;

R₁₆ is H, halogen, or C₁-C₆ alkyl;

A¹

or R₁₅ and R₁₆ together with the nitrogen atom to which they are attached can form a succinimido or phthalimido group or a fused ring derivative thereof, wherein said succinimido or phthalimido group or fused ring derivative thereof can be optionally substituted by up to three substituents independently selected from NO₂ and halogen, or a group of Formula I at position R₁ thereof;

or R₁₅ and R₁₆ together with the nitrogen atom to which they are attached can form a group of Formula I wherein said nitrogen atom is Q₄ thereof;

provided that when R₃ and R₄ are H, R₁ is not:

methyl, -CH₂-C(=O)-O-A where A is a cyclopentacycloocten-8-yl ^(ether), 1-(1-methylcyclophetyl)piperidin-4-yl, 1-(1-phenylcyclophetyl)piperidin-4-yl, or ethoxyethyl.

A²

3 (amended). The compound of claim 1 wherein R₃ and R₄ are each independently halogen, amino, NO₂, CN, C₁₋₆ alkoxy or C₁₋₆ alkyl optionally substituted with up to 3 halogen atoms.

4 (amended). The compound of claim 1 wherein R₃ and R₄ are each independently halogen, amino, or NO₂.

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cont
A2

5 (amended). The compound of claim 1 wherein R₃ and R₄ are each independently halogen.

6 (amended). The compound of claim 1 wherein R₃ and R₄ are each chlorine.

7 (amended). The compound of claim 1 wherein R₁ is alkyl, alkyl substituted with alkoxycarbonyl, alkyl substituted with carboxy, or aralkyl where said aryl portion of said aralkyl is phenyl, pyridinyl, or pyrimidinyl, and where said phenyl, pyridinyl, or pyrimidinyl portion of said arylalkyl group is optionally substituted with up to 5 substituents selected from halogen, monohaloalkyl, dihaloalkyl, trihaloalkyl, NO₂, alkoxycarbonyl, and alkyl.

A3

11 (amended). The compound of claim 1 wherein said R₁ is selected from the radicals shown in Scheme 19, supra.

12 (amended). The compound of claim 1 wherein R₁ is alkyl substituted with -C(=O)-R₅.

REMARKS

With the instant election and amendment, claims 1, 3-21, and 63-97 are pending. The Office Action requires election of one of Groups I, II, III, and IV for prosecution. Applicants elect to prosecute Group I which consists of claims 1 (in part), 2-21, and 63-97. Claim 1 is amended consistent with Applicant's election. Claim 2 is canceled as redundant in view of the amendment to claim 1. The amendments to claims 3-7, 11, and 12 changes